

# SEQUENCE LISTING

<110> Stern, David  
Yan, Shi Du

<120> A MODEL OF ALZHEIMER'S-TYPE PATHOLOGY DOUBLE TRANSGENIC  
MICE: ABAD AND APP (MUTANT)

<130> 0575/62176

<140> Not Yet Known

<141> 2000-08-14

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 261

<212> PRT

<213> RAT

<400> 1

Met Ala Ala Ala Val Arg Ser Val Lys Gly Leu Val Ala Val Ile Thr  
1 5 10 15

Gly Gly Ala Ser Gly Leu Gly Leu Ser Thr Ala Lys Arg Leu Val Gly  
20 25 30

Gln Gly Ala Thr Ala Val Leu Leu Asp Val Pro Asn Ser Glu Gly Glu  
35 40 45

Thr Glu Ala Lys Lys Leu Gly Gly Asn Cys Ile Phe Ala Pro Ala Asn  
50 55 60

Val Thr Ser Glu Lys Glu Val Gln Ala Ala Leu Thr Leu Ala Lys Glu  
65 70 75 80

Lys Phe Gly Arg Ile Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val  
85 90 95

Ala Ile Lys Thr Tyr His Glu Lys Lys Asn Gln Val His Thr Leu Glu  
100 105 110

Asp Phe Gln Arg Val Ile Asn Val Asn Leu Ile Gly Thr Phe Asn Val  
115 120 125

Ile Arg Leu Val Ala Gly Val Met Gly Gln Asn Glu Pro Asp Gln Gly



Lys Phe Gly Arg Val Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val  
                             85                            90                            95  
 Ala Ser Lys Thr Tyr Asn Leu Lys Lys Gly Gln Thr His Thr Leu Glu  
                             100                            105                            110  
 Asp Phe Gln Arg Val Leu Asp Val Asn Leu Met Gly Thr Phe Asn Val  
                             115                            120                            125  
 Ile Arg Leu Val Ala Gly Glu Met Gly Gln Asn Glu Pro Asp Gln Gly  
                             130                            135                            140  
 Gly Gln Arg Gly Val Ile Ile Asn Thr Ala Ser Val Ala Ala Phe Glu  
                             145                            150                            155                            160  
 Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala Ser Lys Gly Gly Ile Val  
                             165                            170                            175  
 Gly Met Thr Leu Pro Ile Ala Arg Asp Leu Ala Pro Ile Gly Ile Arg  
                             180                            185                            190  
 Val Met Thr Ile Ala Pro Gly Leu Phe Gly Thr Pro Leu Leu Thr Ser  
                             195                            200                            205  
 Leu Pro Glu Lys Val Cys Asn Phe Leu Ala Ser Gln Val Pro Phe Pro  
                             210                            215                            220  
 Ser Arg Leu Gly Asp Pro Ala Glu Tyr Ala His Leu Val Gln Ala Ile  
                             225                            230                            235                            240  
 Ile Glu Asn Pro Phe Leu Asn Gly Glu Val Ile Arg Leu Asp Gly Ala  
                             245                            250                            255  
 Ile Arg Met Gln Pro  
                             260

<210> 3  
 <211> 973  
 <212> DNA  
 <213> Human

<400> 3  
 tcccgtggag tggccggcga caagatggca gcagcgtgtc ggagcgtgaa gggcctgggtg 60  
 gcggtataaa ccgaggagc ctccggcctg ggcctggcca cggcggagcg acttgtgggg 120  
 cagggagcct ctgctgtgct tctggacctg cccaactcgg gtggggaggc ccaagccaag 180  
 aagttaggaa acaactgcgt ttctgccccca gccgacgtga cctctgagaa ggatgtgcaa 240  
 acagctctgg ctctagcaaa aggaaagttt ggcgtgtgg atgtagctgt caactgtgca 300

```

ggcatcgcg tggctagcaa gacgtacaac ttaaagaagg gccagaccca taccttggaa 360
gacttcagc gagttcttga tgtgaatctc atgggcacct tcaatgtgat ccgcctgggtg 420
gctgggtgaga tgggccagaa tgaaccagac cagggaggcc aacgtggggt catcatcaac 480
actgccagtg tggctgcctt cgagggtcag gttggacaag ctgcatactc tgcttccaag 540
gggggaatag tgggcatgac actgcccatt gctcgggatac tggctcccat aggtatccgg 600
gtgatgacca ttgccccagg tctgtttggc accccactgc tgaccagcct cccagagaaa 660
gtgtgcaact tcttggccag ccaagtgcc ttccctagcc gactgggtga ccctgctgag 720
tatgtccacc tcgtacaggc catcatcgag aaccattcc tcaatggaga ggtcatccgg 780
ctggatgggg ccattcgtat gcagccttga agggagaagg cagagaaaac acacgctcct 840
ctgcccttcc tttccctggg gtactactct ccagtccttg gaggaagccc agtagccatt 900
ttgtaactgc ctaccagtcg ccctctgtgc ctaataaagt ctctttttct cacagaaaaa 960
aaaaaaaaa aaa 973

```

<210> 4

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR Primers

<400> 4

ggcagcagcg tgtcggagcg 20

<210> 5

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR Primers

<400> 5

agggcagagg agcgtgtgt 19

<210> 6

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR Primers

<400> 6

gacaagtatc tcgagacacc tggggatgag 30

<210> 7

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
PCR Primer

<400> 7

aaagaacttg taggttgat ttcgtacc

29